

Title (en)

Process to prepare a blown film of a block copolymer composition

Title (de)

Verfahren zur Herstellung einer Blasfolie aus einer Blockcopolymerzusammensetzung

Title (fr)

Procédé de fabrication d'une feuille soufflée contenant des copolymères en blocs

Publication

**EP 0771641 A2 19970507 (EN)**

Application

**EP 96203043 A 19961031**

Priority

US 55159995 A 19951101

Abstract (en)

The invention provides a process to prepare a blown film (27) of a vinyl aromatic hydrocarbon/conjugated diene block copolymer, comprising the steps of: i) providing a block copolymer composition comprising at least one block of a vinyl aromatic hydrocarbon and at least one block of conjugated block diene; ii) melting the block copolymer composition in an extruder (20); iii) passing the melted block copolymer composition from the extruder through a circular die (23) which comprises a circular outlet (12) and a tapered channel leading to the circular outlet, the circular outlet having an opening width in the range of from 2.28 10<-2> cm to 2.79 10<-2> cm, the taper being a linear taper of at least 2.54 cm length, the center of the linear taper being angled away from the center of the circular outlet at an angle of at least 10 degrees from a line normal to the circular outlet, and the die having a source of gas pressure (13) inside of the circular outlet; and iv) cooling the extruded composition that has been passed through the die with a cooling gas stream.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

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Citation (applicant)

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